Thermaltake

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O4554D

Thermaltake

CoolAll Your Life

Aqua RX series -R2

UFO CPU Waterblock

User's Manual

P/N:CL-W0092

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Extent of limited warranty, Thermaltake does not warrant that your product will be free from design defects or errors known as "ERRATA". Current characterized errata are available upon request. This limited warranty does not cover any costs relating to removal or replacement of any part that is soldered or otherwise affixed to your system's motherboard. This limited warranty does not cover damages due to external causes, including accidental, problems with electrical power, usage not in accordance with product instructions, misuse, neglect, alteration, repair, improper installation, or improper testing. Nor is Thermaltake held liable for any bodily damage that may result during the installation, maintenance, repair, or is otherwise associated with this product, Thermaltake is free from any legal actions that may result in death, pain and anguish, or any other form of personal damage that may occur by purchasing this product.

You, the buyer, agree to this warranty and its term set within its expressed and implied limited warranty. This limited warranty gives you specific legal rights, and you may also have other right that varies from jurisdiction to jurisdiction.

Warning

Before installing Thermaltake Aqua RX series-R2 , we strongly suggest you to read the manual thoroughly and make sure all components are included in the package. Please do follow the installation guide step-by-step.

Improper installation may cause serious damage to the system as well as to the water cooling unit. Thermaltake will not responsible for any damages due to incorrect installation and incorrect usage of this product.

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1.Specification & Components

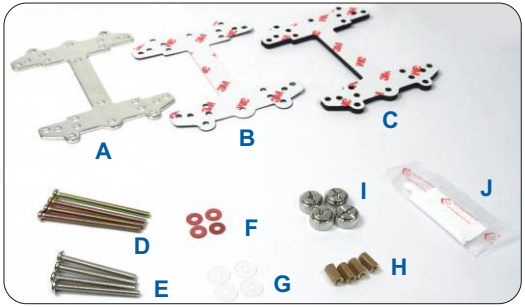
UFO waterblock

Specification

P/N	CL-W0092
Material	Copper & Acrylic
Dimension	106 mm(L) X 82 mm(W)X 70 mm(H)
Quick install connector	For 6.4mm ID (1/4") tubing For 9.5mm ID(3/8") tubing
Weight	557(g)

Clips for
- Intel P4 LGA775
- AMDK8
- AMD AM2

Components



A. Metal H-type clip	F. Redwashers
B. Insulator	G. White washers
C. Cushion	H. Stand offs
D. 50mm Screws	I. Thumb nuts
E. 38mm Screws	J. Thermal compound

6.4mm,ID(1/4") quick connector x2

9.5mm,ID(3/8") quick connector x2

2.Installation Steps

In order to ensure convenience and safety during installation, we strongly recommend you to follow the following procedures.

1.Components Check

▼

2.Install Connector

▼

3.Install Waterblock
Intel P4 LGA775 P.03
AMD K8 P.06
AMD AM2 P.11

▼

4.Installation Complete

3. Connector Installation

There are two types of quick connectors (6.4mm [1/4"] ID and 9.5mm [3/8"] ID).
You can apply to the situation that fits your liquid cooling system .
The following diagrams are 9.5mm ID (3/8") quick connector.

NOTE:
Before installing, please make surethat the connectors are tightenedproperly.

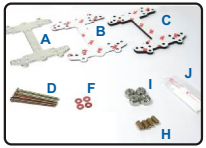
Secure both quick connectorsonto the waterblock.

Installation complete

4. Waterblock Installation

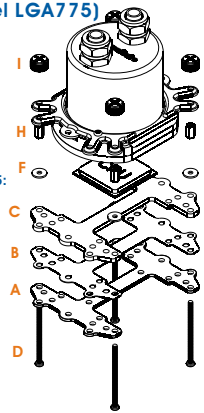
4-1 Secure theWaterblock on CPU (Intel LGA775)

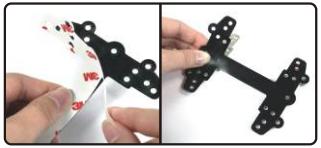
Intel LGA 775
Motherboard



Components for LGA 775:

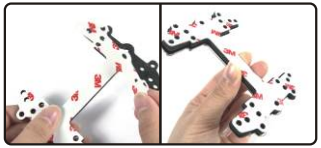
A. Metal H-type clip
B. Insulator
C. Cushion
D. 50mm screws
F. Red washers
H. Stand offs
I. Thumb nuts
J. Thermal compound





Tear off thetape on the back of the insulator (B) and place it on the metal H-type clip(A).

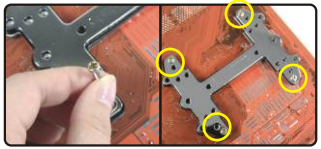
Note: Placing the cushion onto the motherboard with the adhesive will prevent you from removing the cushion in the future. If you are planning to remove the cushion for future use, please don't remove the protective tape.



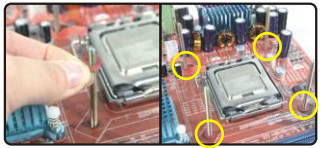
Combine the insulator(B) and the cushion (C) using the adhesive. Stick the metal H-type clip(A) with the insulator and cushion (BC). Tear off the protective layer to adhere it onto the motherboard.

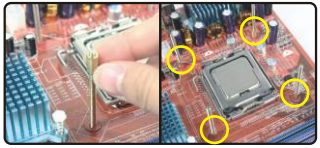
Attach H-type clips(including ABC)on the back side of motherboard.

Insert the screws (D) into the four holes as shown in the photo.

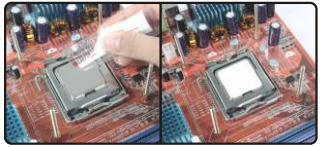


Put the washers(F) along the screws to prevent the electric current.





Put the stand offs(H) along the screws(D) to fix the screws on the motherboard.

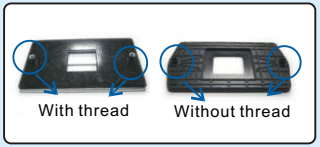


Apply a thin layer of thermal compound(J) onto the processor.

Place waterblock on the processor through the screws(D) as shown on photo.

Tighten the thumb nuts(I) to the screws as shown to fix the waterblock on motherboard.

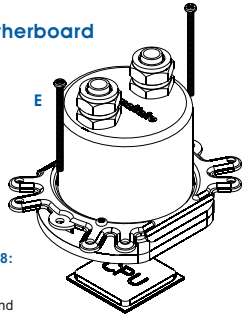
4-2 Secure the Waterblock on CPU (AMD K8)



Check Your Back Plate!
If your Motherboard includes:
A. Mounting holes with thread- the installation is the same with the K8 Standard installation(4.2.1).
B. Mounting holes without thread- the installation is the same with following(4.2.2).

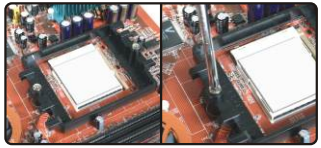
4-2.1 Install by back plate for motherboard (Standard installation)

AMD K8
Motherboard

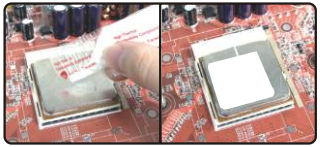


Components for K8:

E. 38mm screws
J. Thermal compound

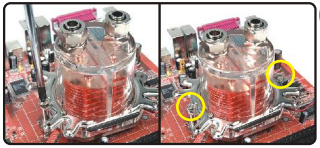


Remove the retention frame from motherboard.



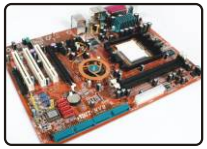
Apply a thin layer of thermal compound(J) onto the processor.

Place waterblock on theprocessor

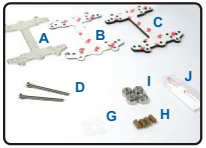


Secure the waterblock on the motherboard by using screws(E)

4-2.2 Install by clips bundled in package

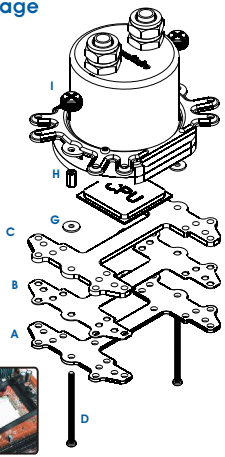


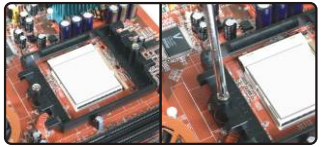
AMD K8
Motherboard



Components for K8:

A. Metal H-type clip
B. Insulator
C. Cushion
D. 50mm screws
G. White washers
H. Stand offs
I. Thumb nuts
J. Thermal compound

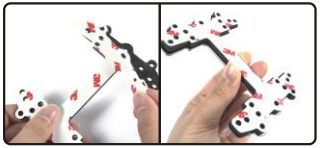




Remove the retention module from the motherboard.

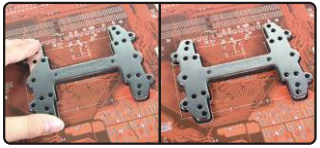
Remove the back plate on back side of motherboard.

Tear off the tape on the back of the insulator (B) and place it on the metal H-type clip(A).

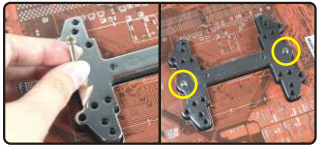


Note: Placing the cushion onto the motherboard with the adhesive will prevent you from removing the cushion in the future. If you are planning to remove the cushion for future use, please don't remove the protective tape.

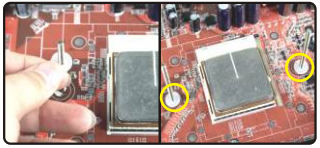
Combine the insulator (B) and the cushion (C) using the adhesive. Stick the metal H-type clip(A) with the insulator and cushion (BC). Tear off the protective layer to adhere it onto the motherboard.



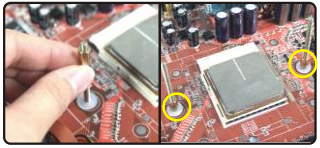
Attach H-type clips(including ABC)on the back side of motherboard.



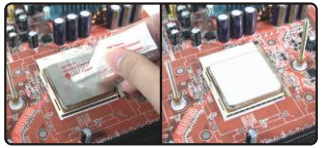
Insert the screws(D) into the two holes as shown in the photo.



Put the washer(G) along the screws to prevent the electric current.

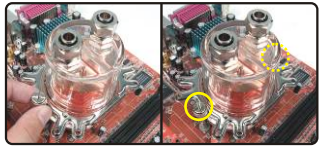


Put the stand offs(H) along the screws(D) to fix the screws on the motherboard.



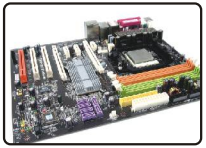
Apply a thin layer of thermal compound(J) onto the processor.

Place waterblock on theprocessor through the screws(D) asshown on photo.

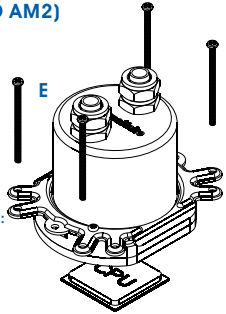


Tighten the thumb nuts(I) to the screws as shown to fix the waterblock on motherboard.

4-3. Secure the Waterblock on CPU (AMD AM2)

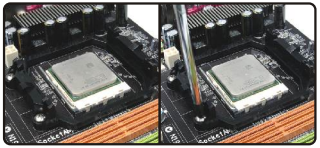


AMD AM2 motherboard

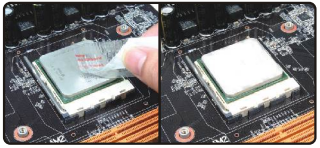


Components for AMD AM2:

E. 38mm screws
J. Thermal compound

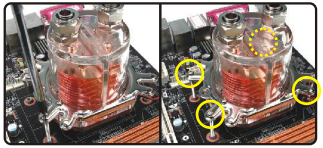


Remove the retention frame from motherboard.



Apply a thin layer of thermal compound(J) onto the processor.

Place waterblock on the processor.

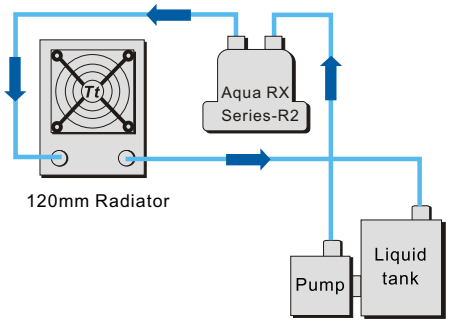


Secure the waterblock on the motherboard by using screws(E).

5.Upgrade the BigWater series with the Aqua RX series-R2

You canapply the AquaRX Series-R2 to fitinto any Thermaltake liquid cooling system. Please visitour website at www.thermaltake.com

Liquid Flow System



6.FAQ

Q: How do I uninstall the Aqua RX series-R2?

A : There are no special procedures to remove the Aqua RX series-R2. Please reverse the steps found in processor installation guide.

Q: Can I add another liquid cooling upgrade kits on my liquid cooling system?

A : Yes, there are three major category in Thermaltake. Please visit our website at www.thermaltake.com

Q: I'm running low on coolant. What's happening and what can I do?

A: The coolant evaporates naturally and the coolant gets more concentrated. For best performance and safety, we highly recommended to use Thermaltake coolant and replace the coolant every 3-6 months. If you do not have extra coolant, please purchase more from Thermaltake. All warranty is voided if you are using coolants of other brands or non-coolant and have damaged your liquid cooling system.